MAXDATA Notebook ECO 4011 IW

User's Manual

UK

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Note

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Application and References

This user's manual offers an introduction and is intended to provide instructions for your first steps with your new notebook.
All references refer to the accompanying Utility CD, which contains the drivers and special utilities for your notebook. If you wish to use an operating system that is not mentioned in these documents, consult the ReadMe files on the CD-ROM for the relevant information. Please also consult your dealer to make sure that it is possible to run your chosen operating system on your notebook. The operating system is not provided on the Utility CD.
Note: Some or all system configurations may have been made already.

Declaration:

This device meets the EN 55022 product standard for interference emissions, the EN 50082-1 basic standard for interference, and the EN 60950 low voltage directive standard.
If any modification that has not been agreed upon with the manufacturer is made to the device, adherence to these standards can no longer be guaranteed.
To ensure electromagnetic compatibility (EMC), please observe the information given in the handbook.

Sound Power Level

The workplace-based sound power level is less than 55 dB A.

Federal Communications Commission (FCC) Note

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

Warranty

The warranty period for the device is 24 months. In the case of damage occurring outside the scope of the warranty, it is the intention to offer repair of the devices through original replacement parts or exchange of modules or devices with cost for at least 3 years (from end of production).

Operator Note:

This device has been carefully RF suppressed and tested to avoid radio interference. However, please pay attention to the following concerning external data cables:
If it becomes necessary to replace a data cable specified by the manufacturer, the operator must ensure that replacement cables also match the original cable in terms of screening quality for correct radio interference suppression.
Use only screened cables and external devices that are identical with this product in terms of safety level and EMC behavior.
In the event of non-observance, compliance with the standards mentioned above is no longer guaranteed!

Optical Disk Drive (ODD):

Built-in ODDs are Class 1 laser products. Do not open the device and do not look into the beam, even using optical instruments.
Unless the drive is expressly designated for the simultaneous use of more than one CD, never insert more than one CD into the drive.

Returning the Device/Battery

We accept the return of all our products after they have been used if the condition corresponds to standard proper usage. Returned devices are either slated for further use or dismantled and recycled in an environmentally sound manner. The return is handled through your dealer.

Rechargeable and disposable batteries containing heavy metals should not be thrown in with household waste. They are accepted free of charge by manufacturers, dealers or their representatives for recycling or disposal.
The outside packaging and all inner parts of the box can be disposed of as waste paper.

Information on the return of electrical and electronic waste in EU countries according to Directive 2002/96/EC, and its implementation in respective national regulations

a) Reason and Purpose of Separate Collection

Users of electrical and electronic equipment are required to dispose of used devices separately. Electrical and electronic equipment must not be disposed of together with unsorted municipal solid waste (domestic refuse), as it contains a range of dangerous elements that cause problems for waste management. Separate collection from regular municipal waste is a prerequisite for the special treatment and appropriate recycling of electrical and electronic waste. This is essential, as many components of electrical and electronic devices are damaging to the environment if they are not disposed of professionally. Disposing of the devices along with unsorted municipal waste can cause harmful substances to enter the waste flow. The consequence would be a considerable burden on the environment.

b) Significance the 'Crossed-Out Wheelie Bin'

The crossed-out wheelie bin is the symbol for separate collection.
Electrical and electronic equipment marked with this symbol must not be disposed of to-gether with municipal sorted waste (domestic refuse). Such items can be handed in free of charge at public collection points.

c) Reuse, Recycling and Recovery

Electrical and electronic waste contains valuable raw materials such as iron, aluminum and copper. These components must be treated selectively. A separate collection and a selec-tive treatment are the basis for environmentally-friendly disposal and protection of human health.
According to the particular terms, manufacturers are obligated to assume the costs associated with disposing of these devices as well as other obligations. This is to promote the chief objectives of reuse and recycling. For this to be possible, consumers must dispose of used devices that are no longer needed at communal collection points. Actively using these return and collection systems contributes to the reuse, recycling and recovery of electrical and electronic equipment and protects the environment.

d) Weight

Information on the weight of the acquired product can be found on the item list as well as on the packaging.

Important Safety Information

Although the notebook is highly robust, it is not indestructible. To prevent damage from occurring, please pay attention to the following:

- Avoid exposing the notebook to strong shocks or vibrations.
- Keep it away from intense heat (radiators, direct sunlight).
- Protect the notebook from electromagnetic interference. This will also prevent data loss.
- Don't expose it to moisture. This is an electrical device!
- Be sure to use the correct power supply.
- Always use an approved power adapter.

The power adapter requires a fluctuation-free and uninterrupted power supply. If you have any questions, consult your local electricity supply company.
Never pull on the cable to unplug the power supply – always pull the plug itself.
Disconnect the external power supply (poswer adapter or car adapter) before cleaning the notebook.

- Notes on Using Batteries

Only use batteries designed exclusively for use with this notebook.
Recharge batteries via the notebook.
Do not attempt to repair faulty batteries yourself. Entrust repairs to your dealer or qualified service personnel.
Keep damaged batteries away from children and dispose of them properly as soon as possible. Exercise caution in handling damaged batteries. Batteries may explode if exposed to fire or improperly handled or disposed of.
The notebook is provided with a battery. The battery is recyclable. It is prohibited by law to dispose of the battery in ordinary household waste. If you have questions concerning proper disposal, consult your garbage collection service.

- Note on the System Clock Battery

Caution: There is a risk of explosion if batteries are replaced incorrectly. Replace the battery only with a battery recommended by the manufacturer or with a battery of the same type. Dispose of the battery according to the manufacturer's instructions.

- Servicing
  Do not service the notebook yourself! You could invalidate your warranty rights and expose yourself and the device to the risk of electrical shock. If servicing is required, consult qualified service personnel. Disconnect the notebook from the power supply.

If the following problems occur, consult qualified service personnel:

- Power adapter or power cable is damaged or frayed.
- Liquid has entered the notebook.
- Despite operating it correctly, the notebook is not functioning properly.
- The notebook has been dropped or damaged.

- Cleaning
  Never apply cleaning agents directly to the notebook. Use only a soft, lint-free cloth. Never use volatile (petroleum distillates) or scouring cleaning agents.

Wireless LAN
(wireless network - abbreviation = WLAN)

Your notebook may contain a Wireless LAN module (optional). This module allows you to set up a wireless-based network, and to connect with an existing wireless network. It works according to the IEEE802.11b+g standard.

WLAN technology allows users to set up wireless connections inside a local area (e.g. in a company or campus building, or in a public building such as an airport). WLANs can be used in temporary offices, in locations where it is not possible to set up extensive cable installations, or to extend an existing LAN so that users in different parts of a building can work at different times.

There are two different ways to operate a WLAN.
In fixed WLANs, wireless stations (devices with radio network cards or external modems) set up connections with wireless access points, which act as bridges between the stations and the existing network backbone. In Peer-to-Peer (ad hoc) WLANs several users can set up a temporary network within a limited area such as a conference room, without using access points, and providing there is no need to use network resources.

In 1997 the IEEE confirmed the standard 802.11 for WLANs; this set a data transfer rate of 1 to 2 Mbit/s (Megabits per second). Under 802.11b+g, the new governing standard, the maximum data transfer rate is 54 Mbps over a frequency band of 2.4 GHz.

Additional safety notes for units with wireless LAN

A wireless LAN component is integrated into your Notebook. For this reason you must make sure that you comply with the following notes on safety:

- Switch off the Notebook when you are in an aircraft or while driving a car.
- If you are in a hospital, an operating room or close to an electronic medical system, switch off the wireless components in the Notebook! The radio waves which are transmitted could disrupt the working of the medical equipment.
- Keep the Notebook at least 20 cm away from a heart pacemaker, otherwise there is a risk that the radio waves could disrupt the normal working of the pacemaker.
- The radio waves which are transmitted could give rise to interference noise in hearing aids.
- When its radio components are switched on, do not place the Notebook close to inflammable gases or in an environment which could be at risk of explosion (e.g. paint shop), since the radio waves which are transmitted could set of a fire or an explosion.
- The range of the wireless connection depends on the environmental and other ambient conditions.
- When transferring data over a wireless connection, unauthorized Third Parties can also receive the data.

MAXDATA Computer GmbH is not responsible for disruptions to radio or television reception which are caused by unauthorized alterations to this unit. MAXDATA also accepts no responsibility for the replacement or the exchange of connecting cables and units which were not specified by MAXDATA Computer GmbH. The user alone is responsible for the elimination of disruptions caused by this type of unauthorized alteration; he is also responsible for the replacement or the exchange of the units.

CE-labeling for devices with wireless LAN

As delivered, this device complies with the requirements of the Guideline 1999/5/EG of the European Parliament and of the Council dated the 9. March 1999 concerning radio equipment and telecommunications facilities, and the mutual recognition of conformity.
This notebook may be used in Belgium, Germany, France, Great Britain, Italy Luxembourg, the Netherlands, Austria, Switzerland, Spain and Poland.
Current information on any possible restrictions in its operation can be obtained from the appropriate authorities in each country. If your country is not included in the above list, then please contact the appropriate supervising authority, in order to check whether the use of this product is permitted in your country.

Belgium - www.bipt.be
Denmark - www.tst.dk
Germany - www.regtp.de
Finland - www.ficora.fi
France - www.art-telecom.fr
Greece - www.eett.gr
England - www.oftel.gov.uk
Ireland - www.comreg.ie
Italy - www.agcom.it
Luxembourg - www.etat.lu/ILT
Netherlands - www.opta.nl
Austria - www.rtr.at
Portugal - www.urt.gov.pt
Sweden - www.pts.se
Switzerland - www.bakom.ch
Spain - www.cmt.es
Iceland - www.pta.is
Liechtenstein - www.ak.li
Norway - www.npt.no

Restrictions

France

Restricted frequency range: In France, you may only use channels 10 to 11 (2457 MHz or 2462 MHz). It is forbidden to use the unit outside of enclosed areas.

Info: www.art-telecom.fr

Italy

An official authorization is also required to use the unit in internal areas. For more detailed information about the necessary procedure to do this, please contact your provider.
It is forbidden to use the unit outside of enclosed areas.

Info: www.agcom.it

Netherlands

A licence is required to use the unit in the open. For more detailed information about the procedure to be followed for this, please contact your provider.

Info: www.opta.nl

Radio frequencies for units with wireless LAN

The following information was correct at January 2002. You can obtain current information from the appropriate authorities in your country (e.g. www.regtp.de).

FREQUENCIES

Radio network cards and adapters are designed in accordance with IEEE-Standard 802.11b+g for use in the ISM frequency band (Industrial, Scientific, Medical) between 2.4 and 2.4835 GHz. Because of the DSSS-procedure (Direct Sequence Spread Spectrum), each of the 11 usable radio channels takes up a width of 22 MHz; this means that up to three, independent channels are available (e.g. 3, 8 and 11). The following table lists the authorised channels in your country:

Channel	MHz	Europe, R&TTE	France, R&TTE
1	2412	X	
2	2417	X	
3	2422	X	
4	2427	X	
5	2432	X	
6	2437	X	
7	2442	X	
8	2447	X	
9	2452	X	
10	2457	X	X
11	2462	X	X

Legal requirements - exception clauses

EXCEPTION CLAUSES FOR UNITS WITH WIRELESS LAN

The installation and use of an unit with Wireless LAN may only take place when in accordance with the instructions contained in the user documents. The user documents are included in the material supplied with the product. All alterations or modifications made to this unit which are not expressly authorised by the manufacturer may lead to cancellation of the right of the user to operate the unit. The manufacturer is not liable for radio disruptions during the reception of radio and television signals which are due to non-authorised alterations to the unit or to the exchange or connection of cables and accessories, where these are not in accordance with the recommendations of the manufacturer. It is the responsibility of the user to remove any interference which may arise as a result of any non-authorised alterations, or the addition or replacement of components. Neither the manufacturer nor his authorised dealer and wholesaler are liable for damages or breaches of legal regulations which result from an infringement of these guidelines.

Shipping Contents

Before you begin installing your notebook, make sure that all components are present. If any item listed in the shipping contents is missing from your notebook package, please contact your dealer immediately.

- Notebook
- Battery
- Utility CD
- Power adapter
- Power cable
- User guide
- Modem cable

Please retain the original packaging in case you need to send the device for repairs or upgrades. Please store the packaging safely.

Preparation

Before first using the computer, make sure you are familiar with the individual components of your system.
Slide the release catch (1) to the right and open the display (2).

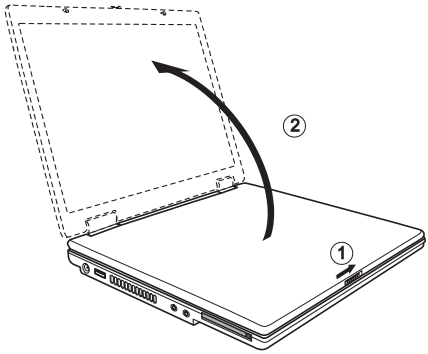


Fig. 1

(1) Release catch

(2) Fold back the display

UK

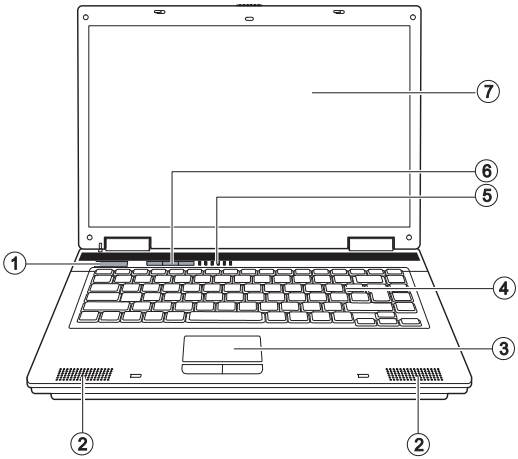


Fig. 2

(1) On/off button

(2) Loudspeakers

(3) TouchPad

(4) Keyboard

(5) Status LEDs

(6) Quick launch buttons

(7) LC display

Inserting the Battery

The battery is included in the notebook's shipping contents. This battery is only partially charged.
Note that the charging time for the battery is about 3 hours if the computer is switched off, or about 6 hours if the computer is switched on.

It is absolutely essential to fully charge the battery for initial operation! Do not unplug the power adapter until the battery is fully charged.

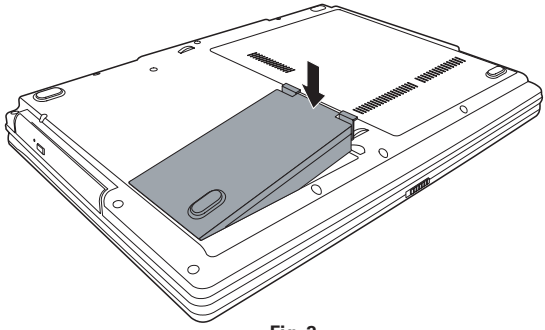


Fig. 3

(1) Insert the battery into the battery slot in the direction of the arrow.

(2) Gently push the battery until it locks into place.

The battery can now be charged.

Removing the Battery

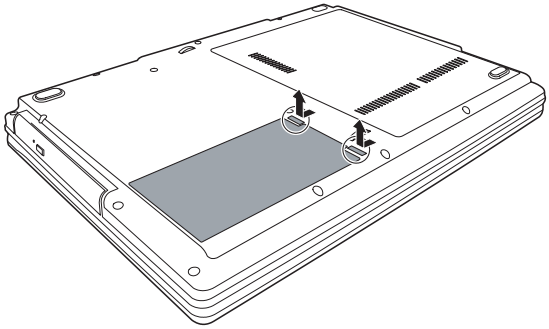


Fig. 4

(1) Push the battery release catches inwards.

(2) Remove the battery from the holder.

You can now operate the notebook using the power adapter alone.

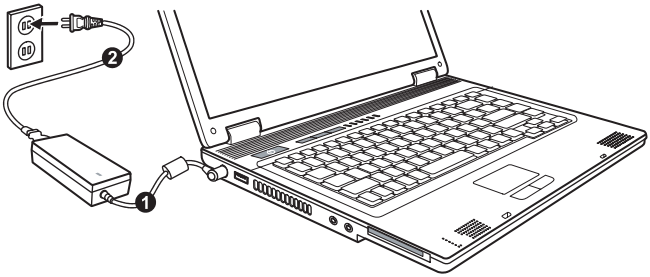
Power Supply

The notebook is supplied with a power cable and a universal, self-adjusting power adapter. The power adapter can operate with any constant voltage between 100 and 240 volts.

To use the power adapter:

1. Connect the power adapter to the DC IN socket located on the side of the notebook.
2. Connect the power cable to the power adapter.
3. Connect the power cable to a power outlet.

You can choose to run the notebook via battery or power supply. The first time you use the computer, you need to use the power adapter. Use only the supplied power adapter. Using the wrong power adapter can cause damage to the notebook.
The power adapter contains no serviceable parts.



NEVER OPEN THE POWER ADAPTER!

DANGER OF DEATH!

UK

Switching the Notebook On

You've now completed the preparations. Now press the on/off button to switch on the notebook.

Tip:
If you experience a program or system crash, press the keys: Ctrl + Alt + Del at the same time. In most cases, this will enable you to end only the task that has crashed and restart the notebook (warm start).
If this does not work, hold down the on/off button for more than four seconds – this will switch off the notebook. You can now start up the computer as normal (cold start).

Once the notebook is switched on, the on/off button can perform several functions depending on the energy settings.
In the standard setting, pressing the on/off button again will switch off the notebook.

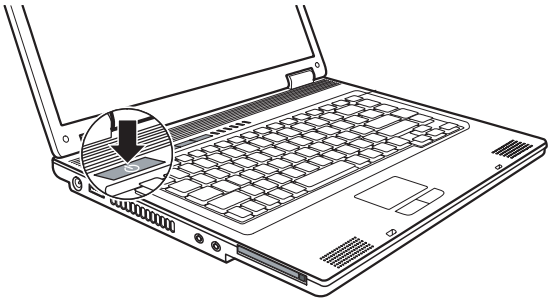


Fig. 5

The operating system is installed the first time you switch on the computer. Please follow the operating system's installation instructions here.
After installation and restarting, the notebook is ready to use.
The basic graphics functions allow you to modify the resolution, the color depth and the desktop appearance.

You can find more detailed information on this point in the installation instructions.

Please note that with Microsoft® Windows® operating systems you should always switch off the notebook as follows:

Click the Start button.

Select Shut Down.

Click OK.

This avoids any problems with the hard disk and operating system.

Power Management

Your system is compatible with the ACPI power saving system.
The basic power management settings can be found under the following in Windows operating systems: <Settings> <Power Options>. If you have questions, use the Windows Help function.

Here you can set the behavior separately for various battery charge levels.

Standby: – low energy consumption –

The display is dimmed and the hard disk remains unchanged. The power LED flashes. By pressing the on/off button, the notebook returns to the normal operating state. The user must log on again.

Sleep: – Without power adapter no energy consumption –
The current operating state is saved to the hard disk; the notebook is switched off. All open documents or applications become available again when the computer is switched on.
Switching off the notebook and disconnecting it from the power supply (pulling the plug of the power adapter) can prevent any energy consumption.

- Notes on the ExpressCard:

Never remove an ExpressCard when the system is in sleep mode. This deactivates the slot, thus changing the system configuration. This can lead to problems the next time the computer is started.

Left Side

All air intake and ventilation openings must be kept free from obstructions at all times. If not, the device is liable to overheat.

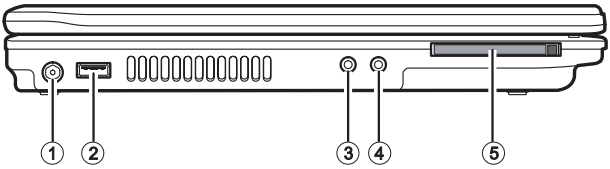


Fig. 6

(1) Power adapter socket
(2) USB port
(3) Audio output
(4) Microphone input socket
(5) ExpressCard slot

Right Side

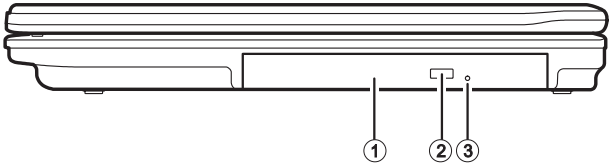


Fig. 7

(1) Optical drive
(2) Eject button for optical drive
(3) Emergency release for optical drive (only if notebook is switched off)

Rear View

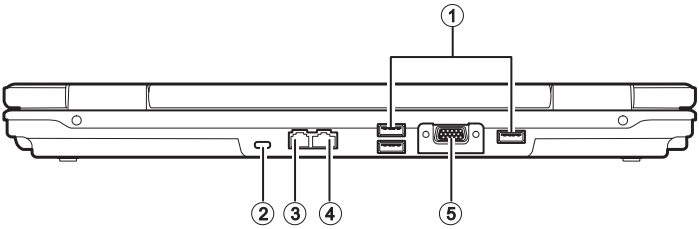


Fig. 8

(1) USB ports

(2) Kensington Lock anti-theft device

(3) Modem port

(4) Network port

(5) Connector for external monitor

Underside

All air intake and ventilation openings must be kept free from obstructions at all times. If not, the device is liable to overheat.

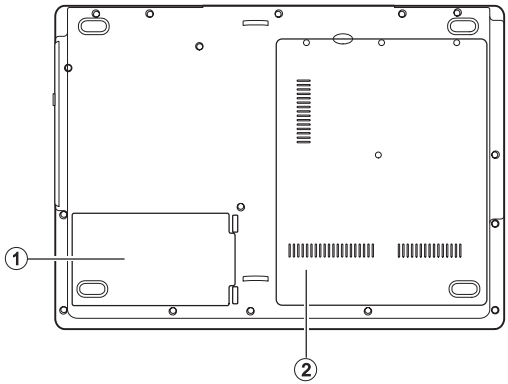


Fig. 9

(1) Battery slot

(2) Cover for WLAN card, RAM, hard disk, and main processor

Explanation of LED Displays

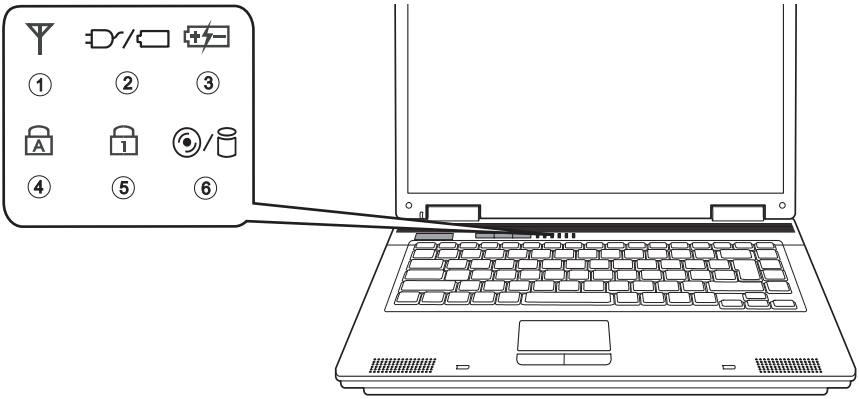


Fig. 10

UK

(1) Wireless LAN
(2) Power on LED
(3) Battery charging mode
(4) Caps Lock
(5) Num Lock
(6) Drive access

Table 1

Symbol	Meaning
	Lights when the wireless LAN function (wireless network) is activated.
	Lights green when the notebook is switched on. Flashes green in power save mode.
	Does not light up when the battery is fully charged. Lights orange when the battery is charging. Flashes red when the battery is almost empty (charge level less than 10%).
	Lights when Caps Lock is on.
	Lights when Num Lock is on.
	Lights when the optical disk or hard disk is being accessed.

Hot Keys

(Shortcut key combinations with special functions)

To activate the hot keys, press and hold down the Fn key and then press the desired additional key. For certain functions it may be necessary to install a driver or additional software. Please refer to the 'Installation Instructions' section.

Table 2

Keys	Meaning
Fn + F1	Switches the wireless network (WLAN) on/off.
Fn + F3	Reduces the volume.
Fn + F4	Increases the volume.
Fn + F5	Switches between LC display/monitor/both.
Fn + F6	Reduces LCD brightness.
Fn + F7	Increases LCD brightness.
Fn + F10	Switches the loudspeaker on/off.
Fn + F11	Switches the LC display on/off.
Fn + F12	Switches to power save mode.

The Quick Launch Buttons

The quick launch buttons are located just above the keyboard. You can use these to launch frequently used applications.

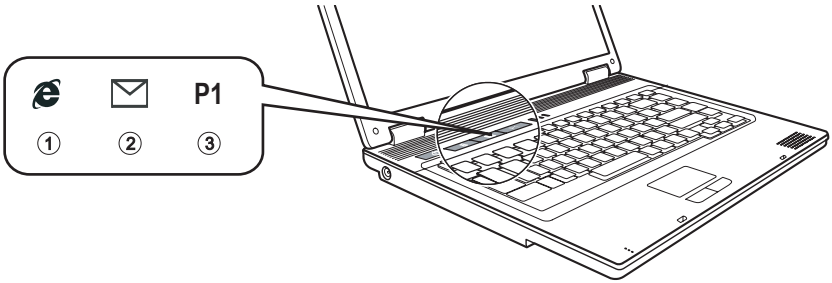


Fig. 11

(1) Internet Explorer key

(2) Microsoft® Outlook key

(3) (customizable)

The Keyboard

Your notebook's keyboard has all the functions of a normal AT-compatible keyboard plus some extras:

Typewriter
These keys correspond to a typewriter's keys.

Function keys
In many operating systems (and applications), special functions are available via these keys. You can find more detailed information on this in the relevant handbooks.

Special keys
These keys (and key combinations) are used for controlling various hardware functions.

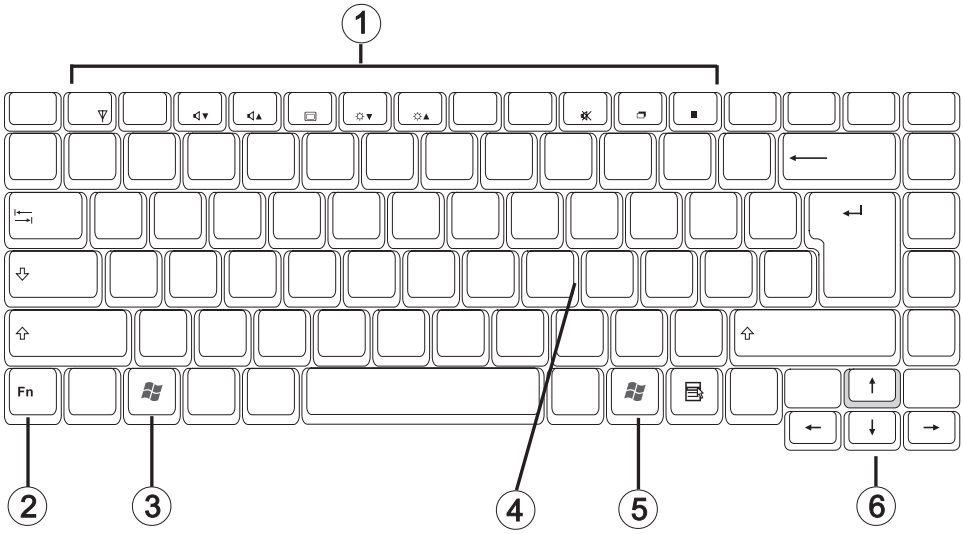


Fig. 12

(1) Function keys – For the functions, see Table 2 – Hot Keys

(2) Fn key

(3) Microsoft® Windows® key (position may vary for different layouts)

(4) Numerical keypad (press Num Lock key to activate this keypad – see Fig. 11)

(5) Microsoft® Windows® key (position may vary for different layouts)

(6) Arrow keys

The TouchPad

The system automatically sets up the integrated TouchPad. If you are using Microsoft® Windows®, no driver needs to be installed for the basic functions. If you wish to use the advanced functions, you can find the driver to activate the function on the Utility CD. To do this, please follow the instructions in the "Installation Instructions" section.

(1) Sensor field
(2) Left "mouse" button
(3) Right "mouse" button
(4) Scrolling area: works like a mouse wheel

Note for left-handed users: most operating systems enable reversal of the mouse buttons.

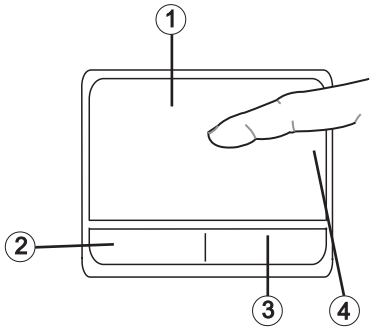
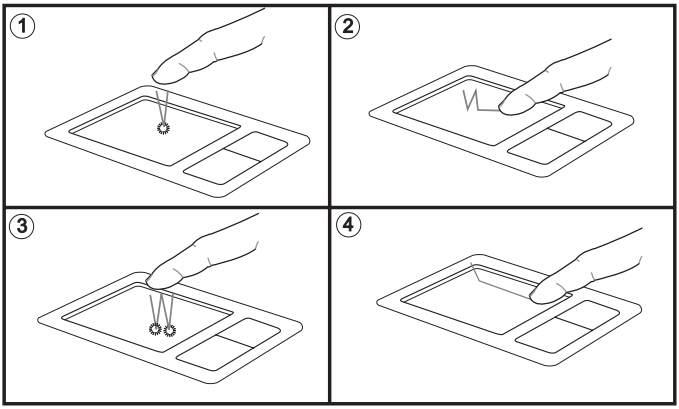


Fig. 13

The TouchPad - Operation



(1) Select
(2) Select, move and release (Drag & Drop)
(3) Double-click to run/open files
(4) Scroll

When using the TouchPad, make sure it as well as your finger are clean and dry. The TouchPad reacts to finger movements. The lighter it is touched, the better it reacts. Pressing hard will not increase its accuracy.

The Optical Drive

To insert a CD, press the eject button on the front side of the drive.

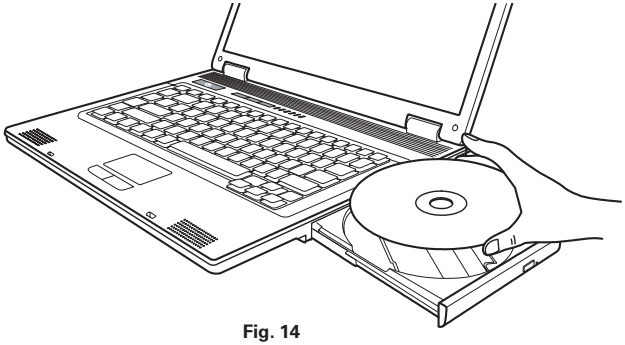


Fig. 14

Place the CD/DVD onto the spindle with the label facing up and push it gently down onto the spindle.
Press the drive tray back until it snaps into place. The CD/DVD is now ready to read.
Some CDs have an autostart function. This means that installation programs or music CDs automatically run after you place them in the drive.

The ExpressCard Slot

The notebook is equipped with an ExpressCard slot. The slot is 54 mm wide and is suitable for ExpressCard/34 and ExpressCard/54 expansion cards.

To insert an ExpressCard, push it into the slot until it locks into place. Establish the required connection (for example, a network connection). Also consult the documentation for the relevant card.
To remove the ExpressCard, first push it gently inward. This releases the catch, allowing the ExpressCard to be removed.

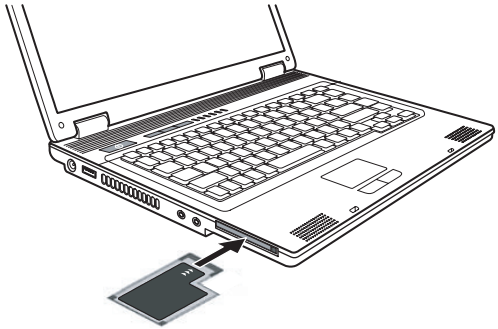


Fig. 15

The Data/Fax Modem

The system automatically sets up the integrated analog modem. To use the modem functions, connect the modem socket to an analog telephone socket (not ISDN) using the telephone cable.
Proper use:
The modem can be connected to all analog sockets in Europe.
It is to be used solely for data communication purposes.

Do not attempt to connect the modem to an ISDN telephone socket! This would result in serious damage to the device.

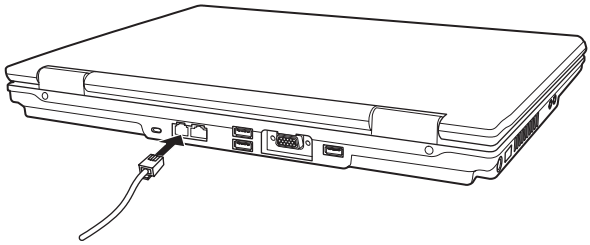


Fig. 16

The LAN Port

The built-in network adapter enables your computer to connect to the Internet via a 10/100 Mbps network or DSL.
The connection is made via an Ethernet network cable and RJ-45 connectors. These are connected to the notebook and to an available network hub or DSL socket.

Under no circumstances should you confuse a network cable RJ-45 connector with an ISDN connector! NEVER attempt to connect the LAN adapter to an ISDN telephone socket!
This would result in serious damage to the device.

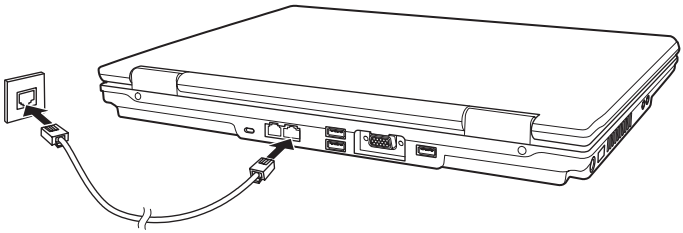


Fig. 17

Installation Instructions

Restoring the Drivers

Your system is supplied in a preloaded condition. This means that all the data and drivers that the system requires are already on the hard disk. In case you erase and/or format your hard disk drive, the system drivers are stored on the Utility CD supplied with the computer. After reinstalling the operating system (for example, with the Recovery CD), this allows you to restore your notebook to a usable condition.

The Utility CD

The Utility CD will run automatically after you place it in the drive. If this is not the case, you can run the CD as follows: select <My Computer"> <CD Drive> and then the "utility. exe" file.
You can select the driver that you want to install in the "Drivers" section. Recommended: Install all listed drivers from top to bottom.
In addition, you can later install the advanced functions you require in the "Utility" section.
When using the Utility CD, please follow the menu instructions.

Setting the Resolution

After installation of the graphics driver, you can set the resolution to the desired size (e.g. 1280 × 800).
You do this in the following way:
Right-click on any free area of the desktop. Select <Properties>.
In the Display Properties window, click the Settings tab.
Here you can set the slider to a resolution you find comfortable.
Click <Apply> to set the resolution.

Specifications

Processor and Platform

- Intel® Celeron® M Processor up to 450 (up to 2.0 GHz)
- µFC-PGA package
- VIA VN896 / 8237A

RAM

- Main memory expandable to 2 GB DDR2 SDRAM
  (Only allow qualified service personnel to expand the main memory)
- Two DDR2-533/667 SODIMM sockets

Display and Video

- 15,4 inch WXGA TFT display
  Supported resolution 1280 × 800 with up to 16.7 million colors
- Graphics adapter: VIA Chrome9™ HC IGP
- Simultaneous LCD/external monitor
- External monitor:
  Supports up to 1600 × 1200, 16.7 million colors

Storage Capacity

- One SATA hard disk drive (2.5", 9.5 mm)
- One internal optical drive

Audio

- AC '97 compatible stereo sound with 3D sound effects
- Built-in stereo loudspeakers

Communications

- Fast Ethernet function for 10/100 Mbps, built in
- MiniCard for 802.11b+g wireless network (optional)
- High-speed 56 Kbps V.90 fax/data software modem (MDC)

Input Devices

- 86/87/88-key Microsoft® Windows® keyboard
- Ergonomically positioned TouchPad
- Quick launch buttons

Ports

- One 15-pin VGA port
- One stereo output socket
- One microphone input socket
- Four USB ports (v2.0)
- One standard telephone socket (RJ-11)
- One standard network port (RJ-45)
- One DC IN socket
- One ExpressCard slot (54 mm)

Power Supply

- Main battery Li-Ion 4400 mAh
- AC power adapter 100-240 V, AC 50-60 Hz, 65 W.
- Recharging System OFF: about 3 hours (95 %)
  System ON: about 6 hours (95 %)
- Fully-supported ACPI Power Management, suspend to Disk, suspend to RAM

Operating System

- Microsoft® Windows Vista™

Other Data

- Dimensions 255 (D) × 358 (W) × 37 (H) mm
- Weight 2.7 kg (depending on model)
- Operating temperature: 0 to 35 °C
- Operating humidity: 10 to 90 % RH
- Storage temperature: -20 to +60 °C

Fault Diagnosis and Troubleshooting

If a problem occurs while working with your notebook, first of all try using the following information to solve the problem. If the problem persists, switch off the system for several minutes and then restart it. You will lose all unsaved data, but the system may work properly again. Subsequently contact your dealer or customer support agent.

Despite pressing the on/off button, the notebook remains switched off.
Possible cause of the problem:
- The battery is missing or is incorrectly installed.

Note:
- The power on LED is not lit.

Troubleshooting:
- Make sure that the battery is in the battery compartment and is inserted properly.
- Check that the battery terminals are making direct contact.
- Connect your notebook to the power adapter so that the battery (if present) can recharge.

Possible cause of the problem:
- Battery level low.

Note:
- The battery display LED flashes.

Troubleshooting:
- Operate the notebook using the power adapter. If the system does not immediately start up, switch off the notebook and then restart it.

The screen is not working.
Possible cause of the problem:
- The energy saving mode is activated.

Note:
- The suspend LED flashes.

Troubleshooting:
- Press the on/off button.

Possible cause of the problem:
- The screen settings are incorrect.

Troubleshooting:
- Press the spacebar, several times if necessary.
- If an external monitor is connected, switch it on.

Possible cause of the problem:
- In the System Settings, a screen type other than the existing one has been set.

Troubleshooting:
- Press the Fn + F5 key combination.
- If an external monitor is connected, connect this to a power source and switch it on. Also check the brightness and contrast settings.

The system stops working.
Possible cause of the problem:
- An energy saving function has been activated.

Note:
- The screen switches itself off.

Troubleshooting:
- Press any key, or press the on/off button if none of the status LEDs are lit.

Possible cause of the problem:
- A software error has caused a system crash.

Troubleshooting:
- Additional information is available in the operating system handbook.
- If you cannot remedy the problem, restart the system. You will lose any unsaved data! If this doesn't work either, briefly switch off the notebook and then switch it back on again.

Each time the system starts, it carries out a self-test (POST). If an error occurs, an error message appears, briefly describing the problem.

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